

Fig. 1

151	200
SEQ ID NO: 1 EDFERLIETA HSH..DIKIV IDLAPNHTSP ADFDNPNYAE NGILYDNGNY	
SEQ ID NO: 2 EDFERLIETA HSH..DIKIV IDLAPNHTSP ADFDNPDYAE NGVLYDDGNY	
SEQ ID NO: 3 ADFQNLIDTA HAH..NIKVV IDFAPNHTSP ADRDNPFGFAE NGGMYDNGSL	
SEQ ID NO: 4 TDFSNLIAAA HSH..NIKVV MDFAPNHTNP ASSTDPSFAE NGALYNNGTL	
SEQ ID NO: 5 TDFQNLINTA HAH..NIKVI IDFAPNHTSP ASETDPTYAE NGRLYDNGTL	
SEQ ID NO: 6 TDFQNLIATA HAH..NIKVI IDFAPNHTSP ASETDPTYGE NGRLYDNGVL	
SEQ ID NO: 7 ADFQNLITTA HAK..GIKIV IDFAPNHTSP AMETDTSFAE NGRLYDNGTL	
SEQ ID NO: 8 TDFQNLVTTA HAK..GIKII IDFAPNHTSP AMETDTSFAE NGKLYDNGNL	
SEQ ID NO: 9 QDFKNLIDTA HAH..NIKVI IDFAPNHTSP ASSDDPSFAE NGRLYDNGNL	
SEQ ID NO: 10 QDFKNLIDTA HAH..NIKVI IDFAPNHTSP ASSDDPSFAE NGRLYDNGNL	
SEQ ID NO: 11 ADFQNLIAAA HAK..NIKVI IDFAPNHTSP ASSDQPSFAE NGRLYDNGTL	
SEQ ID NO: 12 ADFQNLIAAA HAK..NIKVI IDFAPNHTSP ASLDQPSFAE NGKLYNNGRD	
SEQ ID NO: 13 SDFDRLMDTA HSN..GIKVI MDFTPNTHSSP ALETDPSYAE NGAVYNDGVL	
SEQ ID NO: 14 DDFDRLMSTA HSN..GIKVI MDFTPNTHSSP ALETPNPNYVE NGAIYDNGAL	
SEQ ID NO: 15 SDFQRLVDAA HAK..GIKVI IDFAPNHTSP ASETNPSYME NGRLYDNGTL	
SEQ ID NO: 16 DDFKELTSLM HSPDYNMKLV LDYAPNHSNA NDEN....E FGALYRDOG	

201	250
SEQ ID NO: 1 VSSYSDDNS... .DLFLYNGG .TDFSTYEDE IYRNLFDLAS FNHINAELNN	
SEQ ID NO: 2 LGSYSDDDS... .DLFLYNGG .TDFSNYEDE IYRNLFDLAS FNHINSELNN	
SEQ ID NO: 3 LGAYSNDTA... .GLFHHNGG .TDFSTIEDG IYKNLYDLAD INHNNNNAMDA	
SEQ ID NO: 4 LGKYSNDTA... .GLFHHNGG .TDFSTTESG IYKNLYDLAD INQNNNTIDS	
SEQ ID NO: 5 LGGYTNDTN... .GYFHHYGG .TDFSSYEDG IYRNLFDLAS LNQQNNTIDS	
SEQ ID NO: 6 LGGYTNDTN... .GYFHHYGG .TNFSSYEDG IYRNLFDLAS LDQQNNTIDS	
SEQ ID NO: 7 VGGYTNDTN... .GYFHHNGG .SDFSSLENG IYKNLYDLAD FNHNNATIDK	
SEQ ID NO: 8 VGGYTNDTN... .GYFHHNGG .SDFSTLENG IYKNLYDLAD LNHNNTIDT	
SEQ ID NO: 9 LGGYTNDTQ... .NLFHHYGG .TDFSTIENG IYKNLYDLAD LNHNNTSSVDV	
SEQ ID NO: 10 LGGYTNDTQ... .NLFHHYGG .TDFSTIENG IYKNLYDLAD LNHNNTSSVDV	
SEQ ID NO: 11 LGGYTNDTQ... .NLFHHNGG .TDFSTTENG IYKNLYDLAD LNHNNTSTVDV	
SEQ ID NO: 12 EGGYTNDTH... .NLFHHNGG .TDFSTTENG IYKNLYDLAD LNHNNTSTVDT	
SEQ ID NO: 13 IGNYSNDPN... .NLFHHNGG .TDFSSYEDS IYRNLYDLAD YDLNNNTVMDQ	
SEQ ID NO: 14 LGNYSNDQQ... .NLFHHNGG .TDFSSYEDS IYRNLYDLAD YDLNNNTVMDQ	
SEQ ID NO: 15 LGGYTNDAN... .MYFHHNGG .TTFSSLLEDG IYRNLFDLAS LNHQNPVIDR	
SEQ ID NO: 16 ITDYPTNVAA NTGWWYHHNGG VTNWNDFQV KNHNLFNLSL LNQSNTDVYQ	

251	300
SEQ ID NO: 1 YLEDAVKKWL DLGIDGIRID AVAHMPPGWQ KAYMDTIY.D HRAV....F	
SEQ ID NO: 2 YLEDAVKKWL DLGIDGIRID AVAHMPPGWQ KAYMDTIY.D HRAV....F	
SEQ ID NO: 3 YFKSAIDLWL GMGVGDGIRFD AVKHMPFGWQ KSFVSSIYGG DHPV....F	
SEQ ID NO: 4 YLKESIQLWL NLGVGDGIRFD AVKHMPFGWQ KSYVSSIYSS ANPV....F	
SEQ ID NO: 5 YLKSAIKVWL DMGIDGIRLD AVKHMPFGWQ KNFMDSL.S YRPV....F	
SEQ ID NO: 6 YLKAAIKLWL DMGIDGIRMD AVKHMAFGWQ KNFMDSL.S YRPV....F	
SEQ ID NO: 7 YFKDAIKLWL DMGVGDGIRVD AVKHMPFGWQ KSWMSSIY.A HKPV....F	
SEQ ID NO: 8 YFKDAIKLWL DMGVGDGIRVD AVKHMPFGWQ KSWMSSIY.A HKPV....F	
SEQ ID NO: 9 YLKDAIKMWL DLGVGDGIRVD AVKHMPFGWQ KSFMATIN.N YKPV....F	
SEQ ID NO: 10 YLKDAIKMWL DLGVGDGIRVD AVKHMPFGWQ KSFMATIN.N YKPV....F	
SEQ ID NO: 11 YLKDAIKMWL DLGIDGIRMD AVKHMPFGWQ KSFMAAVN.N YKPV....F	
SEQ ID NO: 12 YLKDAIKMWL DLGIDGIRMD AVKHMPFGWQ KSFMATVN.N YKPV....F	
SEQ ID NO: 13 YLKESIQLWL DKGIDGIRVD AVKHMPFGWQ TSLMSDIY.A HEPV....F	
SEQ ID NO: 14 YLKESIKFWL DKGIDGIRVD AVKHMPFGWQ TSLMSEIY.S HKPV....F	
SEQ ID NO: 15 YLKDAVKMWI DMGIDGIRMD AVKHMPFGWQ KSLMDEID.N YRPV....F	
SEQ ID NO: 16 YLLDGSKFWI DAGVDAIRID AIKHMDKSFI QKWTSDIYDY SKSIGREGFF	

301

SEQ ID NO: 1 TFGEWFTGPy G.NEDY TKFANNSGMS VLDFRFAQTT RNVIGNNNGT
 SEQ ID NO: 2 TFGEWFTGPS G.NEDY TKFANNSGMS VLDFRFAQTT RNVIGNNNGT
 SEQ ID NO: 3 TFGEWYLGAD QTDGDN IKFANESGMN LLDFEYAQEV REVFRDKTET
 SEQ ID NO: 4 TFGEWFLGPD EMTQDN INFANQSGMH LLDFAFAQEJ REVFRDKSET
 SEQ ID NO: 5 TFGEWFLGTM EIDVNN TYFANESGMMS LLDFRFSQKV RQVFRDNTDT
 SEQ ID NO: 6 TFGEWYLGTN EVDPNN TYFANESGMMS LLDFRFAQKV RQVFRDNTDT
 SEQ ID NO: 7 TFGEWFLGSA ASDADN TDFANKSGMS LLDFRFNSAV RNVFRDNTSN
 SEQ ID NO: 8 TFGEWFLGSA APDADN TDFANESGMMS LLDFRFNSAV RNVFRDNTSN
 SEQ ID NO: 9 TFGEWFLGVN EISPEY HQFANESGMMS LLDFRFAQKA RQVFRDNTDN
 SEQ ID NO: 10 NFGEWFLGVN EISPEY HQFANESGMMS LLDFFPFAQKA RQVFRDNTDN
 SEQ ID NO: 11 TFGEWFLGVN EVSPEN HKFANESGMMS LLDFRFAQKV RQVFRDNTDN
 SEQ ID NO: 12 TFGEWFLGVN EVSAEN HKFANVSGMS LLDFRFAQKV RQVFKDNTDN
 SEQ ID NO: 13 TFGEWFLGSG EVDPQN HHFANESGMMS LLDFOFGQTI RDVLMGDSSN
 SEQ ID NO: 14 TFGEWFLGSG EVDPQN HHFANESGMMS LLDFOFGQTI RNVLKDRTSN
 SEQ ID NO: 15 TFGEWFLSEN EVDANN HYFANESGMMS LLDFRFGQKL RQVLRNNSDN
 SEQ ID NO: 16 FFGEWFGASA NTTTGVGDNA IDYANTSGSA LLDGFGRDTL ERVLVGRSGN

351

SEQ ID NO: 1 .MYDIEKMLT DTENDYDRPQ DQVTFIDNHD MSRFTNDGES T
 SEQ ID NO: 2 .MYDIEKMLT DTENDYDRPQ DQVTFIDNHD MSRFTNGGES T
 SEQ ID NO: 3 .MKDLYEVLA STESQYDYIN NMVTFIDNHD MDRFQVAGSG T
 SEQ ID NO: 4 .MTDLNSVIS STGSSYNYIN NMVTFIDNHD MDRFQQAGAS T
 SEQ ID NO: 5 .MYGLDSMIQ STASDYNFIN DMVTFIDNHD MDRFYNG.GS T
 SEQ ID NO: 6 .MYGLDSMIQ STAADYNFIN DMVTFIDNHD MDRFYTG.GS T
 SEQ ID NO: 7 .MYALDSMIN STADYNQVN DQVTFIDNHD MDRFKTSAVN N
 SEQ ID NO: 8 .MYALDSMLT ATAADYNQVN DQVTFIDNHD MDRFKTSAVN N
 SEQ ID NO: 9 .MYGLKAMLE GSEVDYAQVN DQVTFIDNHD MERFHTSNGD R
 SEQ ID NO: 10 .MYGLKAMLE GSEVDYAQVN DQVTFIDNHD MERFHTSNGD R
 SEQ ID NO: 11 .MYGLKAMLE GSAADYAQVD DQVTFIDNHD MERFHASNAN R
 SEQ ID NO: 12 .MYGLKSMLE GSATDYAQME DQVTFIDNHD MERFHNNNSAN R
 SEQ ID NO: 13 .WYDFNEMIA STEEDYDEVI DQVTFIDNHD MSRFSFEQSS N
 SEQ ID NO: 14 .WYDFNEMIT STEKEYNEVI DQVTFIDNHD MSRFSVGSSS N
 SEQ ID NO: 15 .WYGFNQMIQ DTASAYDEVI DQVTFIDNHD MDRFMIDGGD P
 SEQ ID NO: 16 TMKTLNSYLI KRQTVFTSDD WQVVFMNDNHD MARIGTALRS NATTFGPGNN

401

SEQ ID NO: 1 RTTDIGLA LMLTSRGVPT IYYGTEQYME G
 SEQ ID NO: 2 RTTDIGLA LMLTSRGVPT IYYGTEQYMK G
 SEQ ID NO: 3 RATEQALA LTLTSRGVPA IYYGTEQYMT G
 SEQ ID NO: 4 RPTEQALA VTLTSRGVPA IYYGTEQYMT G
 SEQ ID NO: 5 RPVEQALA FTLTSRGVPA IYYGTEQYMT G
 SEQ ID NO: 6 RPVEQALA FTLTSRGVPA IYYGTEQYMT G
 SEQ ID NO: 7 RRLEQALA FTLTSRGVPA IYYGTEQYLT G
 SEQ ID NO: 8 RRLEQALA FTLTSRGVPA IYYGTEQYLT G
 SEQ ID NO: 9 RKLEQALA FTLTSRGVPA IYYGSEQYMS G
 SEQ ID NO: 10 RKLEQALA FTLTSRGVPA IYYGSEQYMS G
 SEQ ID NO: 11 RKLEQALA FTLTSRGVPA IYYGTEQYMS G
 SEQ ID NO: 12 RKLEQALA FTLTSRGVPA IYYGTEQYMS G
 SEQ ID NO: 13 RHTDIALA VLLTSRGVPT IYYGTEQYLT G
 SEQ ID NO: 14 RQTDMALA VLLTSRGVPT IYYGTEQYVT G
 SEQ ID NO: 15 RKVDMALA VLLTSRGVPN IYYGTEQYMT G
 SEQ ID NO: 16 ETGGSQSEAF AQKRIDLGLV ATMTVRGIPA IYYGTEHYAA NFTNSNSFGQV

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SEQ ID NO: 1 TFGEWFTGPy G.NEDY TKFANNSGMS VLDFRFAQTT RNVIGNNNGT
 SEQ ID NO: 2 TFGEWFTGPS G.NEDY TKFANNSGMS VLDFRFAQTT RNVIGNNNGT
 SEQ ID NO: 3 TFGEWYLGAD QTDGDN IKFANESGMN LLDFEYAQEV REVFRDKTET
 SEQ ID NO: 4 TFGEWFLGPD EMTQDN INFANQSGMH LLDFAFAQEJ REVFRDKSET
 SEQ ID NO: 5 TFGEWFLGTM EIDVNN TYFANESGMMS LLDFRFSQKV RQVFRDNTDT
 SEQ ID NO: 6 TFGEWYLGTN EVDPNN TYFANESGMMS LLDFRFAQKV RQVFRDNTDT
 SEQ ID NO: 7 TFGEWFLGSA ASDADN TDFANKSGMS LLDFRFNSAV RNVFRDNTSN
 SEQ ID NO: 8 TFGEWFLGSA APDADN TDFANESGMMS LLDFRFNSAV RNVFRDNTSN
 SEQ ID NO: 9 TFGEWFLGVN EISPEY HQFANESGMMS LLDFRFAQKA RQVFRDNTDN
 SEQ ID NO: 10 NFGEWFLGVN EISPEY HQFANESGMMS LLDFFPFAQKA RQVFRDNTDN
 SEQ ID NO: 11 TFGEWFLGVN EVSPEN HKFANESGMMS LLDFRFAQKV RQVFRDNTDN
 SEQ ID NO: 12 TFGEWFLGVN EVSAEN HKFANVSGMS LLDFRFAQKV RQVFKDNTDN
 SEQ ID NO: 13 TFGEWFLGSG EVDPQN HHFANESGMMS LLDFOFGQTI RDVLMGDSSN
 SEQ ID NO: 14 TFGEWFLGSG EVDPQN HHFANESGMMS LLDFOFGQTI RNVLKDRTSN
 SEQ ID NO: 15 TFGEWFLSEN EVDANN HYFANESGMMS LLDFRFGQKL RQVLRNNSDN
 SEQ ID NO: 16 FFGEWFGASA NTTTGVGDNA IDYANTSGSA LLDGFGRDTL ERVLVGRSGN

Fig. 1 continued

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SEQ ID NO: 1 DGDPGSRGMM ESFGENTDAY KLIQKLAPLR KSNPAYGYGT TKERWINDDV
 SEQ ID NO: 2 DGDPGSRGMM ASFDENTDAY KLIQKLAPLR KSNPAYGYGT TTERWINDDV
 SEQ ID NO: 3 DGDPNNRAMM TSFNTGTTAY KVIQALAPLR KSNPAIAYGT TTERWVNNDV
 SEQ ID NO: 4 NGDPNNRGMM TGFDTNKTAY KVIKALAPLR KSNPALAYGS TTQRWVNNDV
 SEQ ID NO: 5 NGDPYNRAMM TSFNTSTTAY NVIKKLAPLR KSNPAIAYGT TQQRWINNDV
 SEQ ID NO: 6 NGDPYNRAMM TSFDTTTAY NVIKKLAPLR KSNPAIAYGT QKQRWINNDV
 SEQ ID NO: 7 NGDPDNRAKM PSFSKSTTAF NVISKLAPLR KSNPAIAYGS TQQRWINNDV
 SEQ ID NO: 8 NGDPDNRGKM PSFSKSTTAF NVISKLAPLR KSNPAIAYGS TQQRWINNDV
 SEQ ID NO: 9 GNDPDNRARL PSFSTTTAY QVIQKLAPLR KSNPAIAYGS THERWINNDV
 SEQ ID NO: 10 GNDPDNRARI PSFSTTTAY QVIQKLAPLR KSNPAIAYGS TQERWINNDV
 SEQ ID NO: 11 GTDPDNRARI PSFSTSTTAY QVIQKLAPLR KCNPAIAYGS TQERWINNDV
 SEQ ID NO: 12 GNDPDNRARI PSFSTTTAY QVSKKLAPLR KSNPAIAYGT TQERWINNDV
 SEQ ID NO: 13 GNDPENRKPM SDFDRTTNSY QIISTLASLR QNNPALGYGN TSERWINSDV
 SEQ ID NO: 14 GNDPENRKPL KTFDRSTNSY QIISKLASLR QTNSALGYGT TTERWLNEDEI
 SEQ ID NO: 15 NGDPNNRKMM SSFNKNTRAY QVIQKLSSLR RNNPALAYGD TEQRWINGDV
 SEQ ID NO: 16 GSDPYNREKM PGFDTESEAF SIIKTLGDLR KSSPAIQNGT YTELWVNDDI

500

501
 SEQ ID NO: 1 IIYERNFGDN YALIAINRNL NTSYNIQGLQ TEMPSNSYDD VLDGLLDGQS
 SEQ ID NO: 2 LIYERHFGEN YALIAINRSL NTSYNIQGLQ TEMPSNSYDD VLDGLLDGQS
 SEQ ID NO: 3 LIIERKFGSS AALVAINRNS SAAYPISGLL SSLPAGTYSD VLNGLLNGNS
 SEQ ID NO: 4 YVYERKFGSN VALVAVNRS TTAYPISGAL TALPAGTYTD VLGGLLNGNS
 SEQ ID NO: 5 YIYERKFGNN VALVAINRNL STSYNITGLY TALPAGTYTD VLGGLLNGNS
 SEQ ID NO: 6 YIYERQFGNN VALVAINRNL STSYYTGLY TALPAGTYSD MLGGLLNGSS
 SEQ ID NO: 7 YVYERKFGKS VAVVAVNRLN STSASITGLS TSLPTGSYTD VLGGVLNNGNN
 SEQ ID NO: 8 YIYERKFGKS VAVVAVNRLN TTPTSITNLN TSLPSGTYTD VLGGVLNNGNN
 SEQ ID NO: 9 IIYERKFGNN VAVVAVINRNM NTPASITGLV TSLRRASYND VLGGILNGNT
 SEQ ID NO: 10 IIYERKFGNN VAVVAVINRNM NTPASITGLV TSLPQGSYND VLGGILNGNT
 SEQ ID NO: 11 LIYERKFGSN VAVVAVINRNL NAPASISGLV TSLPQGSYND VLGGILNGNT
 SEQ ID NO: 12 LIYERKFGNN VAVIAVNRNV NTSASITGLV TSLPAGSYTD VLGGLLNGNN
 SEQ ID NO: 13 YIYERSFGDS VVLTAVN.SG DTSYTIINNLN TSLPQGQYTD ELQQLLDGNE
 SEQ ID NO: 14 YIYERTFGNS IVLTAVN.SS NSNQITINLN TSLPQGQYTD ELQQLLDGNT
 SEQ ID NO: 15 YVYERQFGKD VVVLVAVNRS SSNYSITGLF TALPAGTYTD QLGGLLDGNT
 SEQ ID NO: 16 LVFERRSGND IVIVALNRGE ANTINVKNIA VP.....NG VYPSLIGNNS

550

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 SEQ ID NO: 1 IIVVDNNGEVN EFQMSPGEVG VWEFEATNVD KPSIGQVGPI IGEAGRTVTI
 SEQ ID NO: 2 IIVVDNKGGVN EFQMSPGEVS VWEFEAEVND KPSIGQVGPI IGEAGRTVTI
 SEQ ID NO: 3 ITVGSGGAVT NFTLAAGGT A VVQYTAPE.T SPAIGNVGPT MGQPGNIVTI
 SEQ ID NO: 4 ITVN.GGTVS NFTLAAGGT A VVQYTTTE.S SPIIGNVGPT MGKPGNTITI
 SEQ ID NO: 5 ISVASDGSVT PFTLSAGEVA VVQYVSS.N SPLIGHVGPT MTKAGQTITI
 SEQ ID NO: 6 ITVSSNGSVT PFTLAPGEVA VVQYVSTT.N PPLIGHVGPT MTKAGQTITI
 SEQ ID NO: 7 IT.STNGSIN NFTLAAGATA VVQYTTAE.T TPTIGHVGPV MGKPGNVVTI
 SEQ ID NO: 8 IT.SSGGNIS SFTLAAGATA VVQYTASE.T TPTIGHVGPV MGKPGNVVTI
 SEQ ID NO: 9 LTVGAGGAAS NFTLAAPGGTA VVQYTTDA.T TPIIGNVGPM MAKPGVTITI
 SEQ ID NO: 10 LTVGAGGAAS NFTLAAPGGTA VVQYTTDA.T APINGNVGPM MAKAGVTITI
 SEQ ID NO: 11 LSVGSGGAAS NFTLAAGGT A VVQYTAAT.A TPTIGHVGPM MAKPGVTITI
 SEQ ID NO: 12 LTVGSGGSAS IFTLAAGGT A VVQYTTAV.T APTIGHVGPM MAKPGAAVTI
 SEQ ID NO: 13 ITVNSNGAVD SFQLSANGVS VVQITEEH.A SPLIGHVGPM MGKHGNVTI
 SEQ ID NO: 14 ITVNANGAVN SFQLRANSVA VVQVSNPS.T SPLIGQVGPM MGKAGNTITV
 SEQ ID NO: 15 IQVGSNGSVN AFDLGPGEVG VWAYSATE.S TPIIGHVGPM MGQVGHQVTI
 SEQ ID NO: 16 VSVANK..RT TLTLQMNEAV VIRSQSDDAE NPTVQ.....

600

601	650
SEQ ID NO: 1 SGEFGFSSPG TVQFGSTS.. AEIVSWNDT VIIITVPNNE AGYHDITVVT	
SEQ ID NO: 2 SGEFGFSSQG TVHFGSTS.. AEILSWNDT IITLTVPNNE AGYHDITVVT	
SEQ ID NO: 3 DGRGFGGTAG TVYFGTTAVT GSGIVSWEDT QIKAVIPKVA AGKTGVSVKT	
SEQ ID NO: 4 DGRGFGTTKN KVTFGTTAVT GANIVSWEDT EIKVKVPNVA AGNTAVTVTN	
SEQ ID NO: 5 DGRGFGTTSG QVLFGSTAGT ... IVSWDDT EVKVKVPSVT PGKYNISLKT	
SEQ ID NO: 6 DGRGFGTTAG QVLFGTTPAT ... IVSWEDT EVKVKVPAALT PGKYNITLKT	
SEQ ID NO: 7 DGRGFGSTKG TVYFGTTAVT GAAITSWEDT QIKVTIPSVVA AGNYAVKVA.	
SEQ ID NO: 8 DGRGFGSAKG TVYFGTTAVT GSAITSWEDT QIKVTIPPVA GGDYAVKVA.	
SEQ ID NO: 9 DGRGFGSGKG TVYFGTTAVT GADIVAWEDT QIQVKIPAVP GGIYDIRVAN	
SEQ ID NO: 10 DGRA.SARQG TVYFGTTAVT GADIVAWEDT QIQVKILRVP GGIYDIRVAN	
SEQ ID NO: 11 DGRGFGSSKG TVYFGTTAVS GADITSWEDT QIKVKIPAVVA GGNYNIKVAN	
SEQ ID NO: 12 DGRGFGATKG TVYFGTTAVT GANITAWEDT QIKVKIPAVVA GGVYNIKIAN	
SEQ ID NO: 13 TGEFGFDNEG SVLFDSDF.. SDVLSWSDT KIEVSVPDVT AGHYDISVNN	
SEQ ID NO: 14 SGEFGDERR SVLFDSTS.. SEIISWSNT KISVKVPNVA GGYYDLSVVT	
SEQ ID NO: 15 DGEFGFTNTG TVKFGTTA.. ANVWSWSNN QIVVAVPNVS PGKYNITVQS	
SEQ ID NO: 16	
651	700
SEQ ID NO: 1 EDEQVSNAYE .FEVLTADQV TVRFIIDNAE TKMGENIFLV GNVHELGWN.	
SEQ ID NO: 2 EDEQVSNAYE .FEVLTADQV TVRFIIDNAE TKLGENVFLV GNVHELGWN.	
SEQ ID NO: 3 SSGTASNTFK SFNVLTDQV TVRFVNNQAN TNYGTNVYLV GNAEELGSW.	
SEQ ID NO: 4 AAGTTSAAFN NFNVLTADQV TVRFVNNNAT TALGQNVYLT GNVAEELGNW.	
SEQ ID NO: 5 SSGATSNTRYN NINILTGQNI CVRFVNNNAS TVYGENVYLT GNVAEELGNW.	
SEQ ID NO: 6 ASGVTNSNSYN NINVLGNQV CVRFVNNNAT TVWGENVYLT GNVAEELGNW.	
SEQ ID NO: 7 ASGVTNSNAYN NFTILTGQV TVRFVNNNAS TTLGQNVLYLT GNVAEELGNWS	
SEQ ID NO: 8 ANGVTNSNAYN DFTILSGDQV SVRFVNNNAT TALGENIYLT GNVSELGNWT	
SEQ ID NO: 9 AAGAASNIYD NFEVLTGDQV TVRFVNNNAT TALGQNVFLT GNVSELGNW.	
SEQ ID NO: 10 AAGAASNIYD NFEVLTGDQV TVRFVNNNAT TALGQNVFLT GNVSELGNW.	
SEQ ID NO: 11 AAGTASNVYD NFEVLSGDQV SVRFVNNNAT TALGQNVYLT GSVSELGNW.	
SEQ ID NO: 12 SAGTSSNVHD NFEVLSGDQV SVRFVNNNAT TALGQNVYLA GSVSELGNW.	
SEQ ID NO: 13 AGDSQSPTYD KFEVLTGDQV SIRFAVNNNAT TSLGTNLYMV GNVNEELGNW.	
SEQ ID NO: 14 AANIKSPTYK EFEVLSGNQV SVRFVNNNAT TSPGTNLYIV GNVNEELGNW.	
SEQ ID NO: 15 SSGQTSAAYD NFEVLTNDQV SVRFVNNNAT TNLGQNIYIV GNVYELGNW.	
SEQ ID NO: 16	SINFTCNNGY TISGQSVYII GNIPQLGGW.
701	750
SEQ ID NO: 1 DPEQSVGRFF NQVYYQYPTW YYDVNPANT DLEFKFIKID Q...DNNVTW	
SEQ ID NO: 2 DPEQSVGRFF NQIVYQYPTW YYDVNPANT DLEFKFIKID Q...DNNVIW	
SEQ ID NO: 3 DPNKAIGPMY NQVIAKYPW YYDVSVPAGT KLDKFIKKG G...GT.VTW	
SEQ ID NO: 4 TAANAIGPMY NQVEASYPTW YFDVSVPANT ALQFKFIKVN G...ST.VTW	
SEQ ID NO: 5 DTSKAIGPMF NQVYYQYPTW YYDVSVPAGT TIQFKFIKKN G...NT.ITW	
SEQ ID NO: 6 DTSKAIGPMF NQVYYQYPTW YYDVSVPAGT TIEFKFIKKN G...ST.VTW	
SEQ ID NO: 7 TGSTAIGPAF NQVIHQYPTW YYDVSVPAGK QLEFKFFKKN G...ST.ITW	
SEQ ID NO: 8 TGAASIGPAF NQVIHAYPTW YYDVSVPAGK QLEFKFFKKN G...AT.ITW	
SEQ ID NO: 9 DPNNNAIGPMY NQVYYQYPTW YYDVSVPAGQ TIEFKFLKKQ G...ST.VTW	
SEQ ID NO: 10 DPNNNAIGPMY NQVYYQYPTW YYDVSVPAGQ TIEFKFLKKQ G...ST.VTW	
SEQ ID NO: 11 DPAKAIGPMY NQVYYQYPNW YYDVSVPAGK TIEFKFLKKQ G...ST.VTW	
SEQ ID NO: 12 DPAKAIGPLY NQVIYQYPTW YYDVTVPAGK TIEFKFLKKQ G...ST.VTW	
SEQ ID NO: 13 DPQQAIGPMF NQVMYQYPTW YYDISVPAEE NLEYKFIKKD S...SGNWW	
SEQ ID NO: 14 DADKAIGPMF NQVMYQYPTW YYDISVPAEGK NLEYKYIKKD Q...NGNWW	
SEQ ID NO: 15 DTSKAIGPMF NQVYYSYPTW YIDVSVPAGK TIEFKFIKKD S...QGNVTW	
SEQ ID NO: 16 .. DLTКАV KISPTQYPQW SASLELPSDL NVEWKCVKRN ETNPTANVEW	

Fig. 1 continued

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	751	774
SEQ ID NO: 1	QSGANHTYSS	PESGTGIIIRV DW..
SEQ ID NO: 2	QSGANQTYSS	PESGTGIIIRV DW..
SEQ ID NO: 3	EGGNHHTYTT	PASGVGTVTV DWQN
SEQ ID NO: 4	EGGNHHTFTS	PSSGVATVTV DWQN
SEQ ID NO: 5	EGGSNHTYTV	PSSSTGTVIV NWQQ
SEQ ID NO: 6	EGGYNHVYTT	PTSGTATVIV DWQP
SEQ ID NO: 7	ESGSNHTFTT	PASGTATVTV NWQ.
SEQ ID NO: 8	EGGSNHTFTT	PTSGTATVTI NWQ.
SEQ ID NO: 9	EGGANRTFTT	PTSGTATVNV NWQP
SEQ ID NO: 10	EGGANRTFTT	PTSGTATVNV NWQP
SEQ ID NO: 11	EGGSNHTFTA	PSSGTATINV NWQP
SEQ ID NO: 12	EGGSNHTFTA	PTSGTATINV NWQP
SEQ ID NO: 13	ESGNHHTYTT	PATGTDtvLV DWQ.
SEQ ID NO: 14	QSGNNRTYTS	PTTGTDTVMI NW..
SEQ ID NO: 15	ESGSNHVYTT	PTNTTGKIIV DWQN
SEQ ID NO: 16	QSGANNQFNS	NDTQTTNGSF

Fig. 1 continued

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1 10 20 30 40 50 60 70
 -----SSSASVKGDVIVYQIIIDRFYDGDTTNNNPAKSYGLYDPTKSKWKMWGGDLEGVRQKL--PYLK
 ASDTAVSNVVNVYSTDVIYQIVTDRFVDGNTSNNPT---GDLYDPTHTSLKKYFGGDWQGIINKINDGYLT 67
 #
 QLGVTIWLSPVLDNLDTLAGT---DNTGYHGYWTRDFKQIEEHFGNWTTFDLTVNDAHQNGIKVIVDF
 GMGVTAIWISQPVENIYAVLPDSTFGGSTSYHGYWARDFKRTNPYFGSFTDFQNLINTAHAHNIKVIIDF 137

 ##### # # #

 VPHNHTPFKANDSTFAEGGALYNNGTYMNYFDDATKGYFHHNGDISNWDDRYEAQWKNTDPAGFSLAD
 APNHTSPASETDPTYAENGRLYDNGTLLGGYTNDT-NGYFHHYGGTD-FSSYEDGIYRNLF-----DLAD 200
 ##### # # # #####

 LSQENGTTIAQYLTDAAVQLVAHGADGLRIDAVKHFNSGFSKSLADKLYQKKDIFLVGEWYGDD-PGTANH
 LNQNSTIDSYLSKAIVWLDMGIDGIRLDAVKHMPFGWQKNFMDISILSYRPVFTGEWFLG-TNEI--D 267
 # #
 LEKVRYANNSGVNVLDFDLNTVIRNVFGTFTQTMYDLNNMVNQGTGNEYKYKENLITFIDNHDMRFLSVN
 VNNTYFANESGMSLLDFRFSQKVRQVFRDNTDTMYGLDSMIQSTASDYNFINDMVTFIDNHDMDRFYN-G 336

 SNKANLHQALAFILTSRGTPSIYYGTEQYMAGGNDPYNRGMMPAFDTTTAFKEVSTLAGLRRNNAIQY
 GSTRPVEQALAFTLTSRGVPentaiyyGTEQYMTGNGDPYNRAMMTSFNTSTAYNVIKKLAPRKSNPAY 406

 GTTQRWINNDVYIYERKFFNDVVLVAINRNTQSSYSISGLQTLPNGSYADYLSGLGGNGISVS-NGS
 GTTQRWINNDVYIYERKFGNNVALVAINRNLSTSNTGLEYTALPAGTYTDVLGGLLNGNSISVASDG 476
 VASFTLAPGAVSVWQYST-SASAPQIGSVAPNMGIPGNVVTIDKGKFGTTQGTVTFGVTATVKSWTNSR
 VTPFTLSAGEVAVWQYVSSN-SPLIGHVGPTMTKAGQTITIDGRGFGTSGQVLFGSTAGTIVSWDDTE 545
 IEVYVPNMAAGLTDVKVTA-GGVSSNLYS-YNILSGTQTSVVFVKSAPPTNLGDKIYLTGNIPELGNWS
 VKVKVPSVTPGKYNISLKTSSGATNTNNINILTGNQICVRFVNNASTVY-GENVYLTGNVAELGNWD 614
 TDTSGAVNNAQGPLLAP---NYPDWFYVFSVPAGKTIQFKFFIKRADGT-IQWENGSNHVATTPGATGN
 TS-----KAIGPMFNQVYQYPTWYDVSVPAGTTIQFKFIKKN--GNTITWEGGSNHTYTVPSSSTGT 676
 ITVTWQN
 VIVNWQQ 683

Figure 2